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NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27 Oct 21 EVENTLINE has been reloaded
NEWS 28 Oct 24 BEILSTEIN adds new search fields
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT
NEWS 32 Nov 25 More calculated properties added to REGISTRY
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NEWS 34 Dec 04 CSA files on STN
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36 Dec 17 TOXCENTER enhanced with additional content
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 38 Dec 30 ISMEC no longer available
NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003

NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003
NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
ENERGY, INSPEC
NEWS 43 Feb 13 CANCERLIT is no longer being updated

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
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AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

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Golam Shameem

=> s chlorosulfonic?

L1 3630 CHLOROSULFONIC?

=> s l1 and sulfonating

L2 3496 SULFONATING
196 L1 AND SULFONATING

=> s l2 and dioxane

77882 DIOXANE
2265 DIOXANES
78382 DIOXANE

(DIOXANE OR DIOXANES)

L3 7 L2 AND DIOXANE

=> d ibib abs hitstr l3 tot

L3 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:416501 CAPLUS

DOCUMENT NUMBER: 135:32733

TITLE: Mono- and disaccharide derivatives containing both fatty acid ester and sulfate ester groups

INVENTOR(S): Hilgers, Lucas Alfonsus Theodorus; Blom, Anneke Georgine

PATENT ASSIGNEE(S): Stichting Dienst Landbouwkundig Onderzoek, Neth.

SOURCE: Eur. Pat. Appl., 37 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1104767	A1	20010606	EP 1999-204044	19991130
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
WO 2001040240	A2	20010607	WO 2000-NL878	20001130
WO 2001040240	A3	20020207		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1233969	A2	20020828	EP 2000-989042	20001130
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

PRIORITY APPLN. INFO.: EP 1999-204044 A 19991130

WO 2000-NL878 W 20001130

AB The present invention relates to a novel family of monosaccharide derivs. and disaccharide derivs. and to methods of prepn. thereof. The novel mono- and disaccharide derivs. have both fatty acid ester and sulfate ester groups and are useful as adjuvant and emulsifier for, inter alia, medical, pharmaceutical, cosmetic and food applications.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:758131 CAPLUS
DOCUMENT NUMBER: 133:281797
TITLE: Synthesis of sildenafil
INVENTOR(S): Fu, Heliang; Wang, Xiaoyan; Pang, Baohua; Wang, Ning;
Ji, Shangzhong
PATENT ASSIGNEE(S): Tianpu Biochemical Pharmaceutical Co., Ltd.,
Guangdong, Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 14 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1246478	A	20000308	CN 1999-109552	19990712
CN 1092660	B	20021016		

PRIORITY APPLN. INFO.: CN 1999-109552 19990712

OTHER SOURCE(S): CASREACT 133:281797

AB The process comprises methylating Et 3-propylpyrazole-5-carboxylate with di-Me sulfate at 90.degree. for 2.5 h to obtain Et 1-methyl-3-propylpyrazole-5-carboxylate, hydrolyzing with 6M NaOH by refluxing for 3 h to obtain 1-methyl-3-propylpyrazole-5-carboxylic acid, nitrifying with fumed HNO3/fumed H2SO4 at 60.degree. overnight, pouring into ice, filtering to obtain 1-methyl-4-nitro-3-propylpyrazole-5-carboxylic acid, chlorinating with SOCl2. By refluxing for 3 h, acylating with NH4OH to obtain 1-methyl-4-nitro-3-propylpyrazole-5-carboxamide, reducing with SnCl2 2H2O in 95% ethanol by refluxing for 2 h to obtain 4-amino-1-methyl-3-propylpyrazole-5-carboxamide, acylating with 2-ethoxybenzoyl chloride in dichloromethane in the presence of triethylamine and 4-dimethylaminopyridine for 2 h to obtain 4-(2-ethoxybenzamido)-1-methyl-3-propylpyrazole-5-carboxamide, **sulfonating** with. **Chlorosulfonic** acid and SOCl2 for 18 h to obtain 4-ethoxy-3-(5-aminocarbonyl-1-methyl-3-propylpyrazol-4-yl)carbamoylbenzenesulfonyl chloride; acylating with piperazine in dichloromethane for 3 h to obtain 1-[4-ethoxy-3-(5-aminocarbonyl-1-methyl-3-propylpyrazol-4-yl)carbamoylbenzenesulfonyl]piperazine, cyclizing in org. solvent in the presence of base and peroxide at 50-170.degree. for 2-72 h to obtain 1-[4-ethoxy-3-(6,7-dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)benzenesulfonyl]piperazine, and methylating with CH3I or di-Me sulfate in org. solvent in the presence of formaldehyde and formic acid at 0-120.degree. for 1-48 h.

L3 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:29106 CAPLUS
DOCUMENT NUMBER: 130:109876
TITLE: Aliphatic sulfonation. Part 16. Sulfonation of alkenes by chlorosulfuric acid, acetyl sulfate, and trifluoroacetyl sulfate
AUTHOR(S): Bakker, Bert H.; Cerfontain, Hans
CORPORATE SOURCE: Laboratory Organic Chemistry, University Amsterdam, Amsterdam, 1018 WS, Neth.
SOURCE: European Journal of Organic Chemistry (1999), (1), 91-96
CODEN: EJOCFK; ISSN: 1434-193X
PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal
LANGUAGE: English

AB An exploratory study was made on the reaction of a no. of non-branched alkenes in CDCl₃ as an aprotic solvent, using ClSO₃H as reagent both in the presence and the absence of 1,4-dioxane-d₈ as complexing agent. Reaction of cyclopentene with 1.1 equiv ClSO₃H in CDCl₃ in the presence of 2.2 equiv 1,4-dioxane-d₈ at 0.degree. yielded quant. 1,2-cyclopentanesultone. Under similar reaction conditions, linear alkenes afforded the corresponding beta.-sultones. The ClSO₃H-dioxane complex acted as a **sulfonating** reagent with the alkenes to yield the corresponding beta.-sultones in a syn-cycloaddn. of SO₃ to the C:C double bond. In the absence of 1,4-dioxane-d₈, the reaction of linear alkenes in CDCl₃ with ClSO₃H at -40.degree. led to the formation of sec-alkyl chlorosulfates, which were formed after initial protonation of the alkene by the strongly acidic ClSO₃H. Cyclopentyl chlorosulfate in CDCl₃ at 0.degree. was quant. converted into 1,2-cyclopentanesultone. The sec-alkyl chlorosulfates at 0.degree. gave rise to a mixt. of the internal trans- and cis-beta.-sultones. Reaction of 1-octene with both AcOSO₃H and CF₃COSO₃H as reagent in CDCl₃ at -20.degree. directly afforded 1,2-octanesultone as well as (E)- and (Z)-2-octenesulfonate.

REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1988:440586 CAPLUS
DOCUMENT NUMBER: 109:40586
TITLE: Surfactants from lignin
INVENTOR(S): Naae, Douglas G.; Whittington, Lawrence E.; Ledoux, Will A.; Debons, Francis E.
PATENT ASSIGNEE(S): Texaco Inc., USA
SOURCE: U.S., 16 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4739040	A	19880419	US 1986-946270	19861224
US 4787454	A	19881129	US 1987-112316	19871023
CA 1287348	A1	19910806	CA 1987-552819	19871126
DE 3742963	A1	19880707	DE 1987-3742963	19871218

PRIORITY APPLN. INFO.: US 1986-946270 19861224

AB Surfactants used in a surfactant system to recover oil from underground formations are produced by reducing lignin in the presence of CO or H₂ reducing agent at high temp. and pressure to produce low-mol. wt. lignin phenols and subjecting the lignin phenols to >1 or a combination of several reactions, e.g., alkoxylation, alkylation, sulfonation, sulfation, alkoxy-sulfation, and sulfomethylation. Thus, sulfated lignin phenols, prep'd. by reducing kraft lignin or lignosulfonate under CO and/or H₂S at 310-350.degree. and sulfation, were evaluated for their enhanced oil recovery in single surfactant core floods, resulting in <21% of water flood residual oil recovery when used alone as primary surfactants.

L3 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1986:170575 CAPLUS
DOCUMENT NUMBER: 104:170575
TITLE: Acyloxybenzenesulfonic acids and their alkali and

alkaline earth salts
 INVENTOR(S): Balzer, Wolf Dieter; Bechtolsheimer, Hans Heinrich;
 Beyer, Karl Heinz; Fikentscher, Johannes; Perner,
 Johannes; Widder, Rudi; Wolf, Helmut
 PATENT ASSIGNEE(S): BASF A.-G. , Fed. Rep. Ger.
 SOURCE: Ger. Offen., 14 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3419795	A1	19851128	DE 1984-3419795	19840526
EP 163225	A1	19851204	EP 1985-106136	19850518
EP 163225	B1	19870107		
EP 163225	B2	19900530		
R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
AT 24714	E	19870115	AT 1985-106136	19850518
CA 1253171	A1	19890425	CA 1985-482176	19850523
JP 60258156	A2	19851220	JP 1985-110603	19850524
ES 543483	A1	19860116	ES 1985-543483	19850524
US 4695412	A	19870922	US 1986-933354	19861119
PRIORITY APPLN. INFO.:			DE 1984-3419795	19840526
			EP 1985-106136	19850518
			US 1985-736847	19850522

OTHER SOURCE(S): CASREACT 104:170575

AB Compds. HO3SC6H4O2CR (R = C5-11 alkyl) and their salts (useful as bleach activators, etc.) are prepd. by the sulfonation of esters PhO2CR with SO3 or ClSO3H at 20-80.degree. in the presence of a complexing agent for SO3 or ClSO3H, followed by acylation with RCOCl and, optionally, conversion to the salt and/or oxidative bleaching. The complexing agent is DMF, **dioxane**, urea, imidazole, melamine, or a similar compd. The process gives high yields with min. formation of byproducts. Thus, 234 parts Ph 3,5,5-trimethylhexanoate was mixed with 2.34 parts DMF, treated at .ltoreq.55.degree. with 122 parts ClSO3H, freed of of unreacted ClSO3H in vacuo, acylated with 3,5,5-trimethylhexanoyl chloride (amt. equal to concn. of free OH groups) at 50.degree., and neutralized with NaOH. The yield of Na (3,5,5-trimethylhexanoyloxy)benzenesulfonate was 85.0%, vs. 75.7 when DMF was omitted.

L3 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1983:575619 CAPLUS

DOCUMENT NUMBER: 99:175619

TITLE: A new **sulfonating** agent on hetero atoms

AUTHOR(S): Shibuya, Masayuki; Jinbo, Yoshikazu; Kubota, Seiju

CORPORATE SOURCE: Fac. Pharm. Sci., Univ. Tokushima, Tokushima, 770, Japan

SOURCE: Heterocycles (1983), 20(8), 1531-3

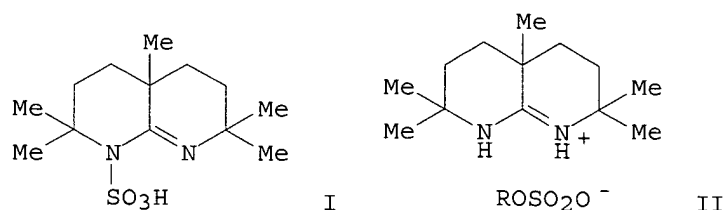
CODEN: HTCYAM; ISSN: 0385-5414

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 99:175619

GI



AB 3,3,6,9,9-Tetramethyl-2,10-diazabicyclo[4.4.0]dec-1-ene was treated with ClSO₃H to give N-sulfonic acid deriv. I, which was used to prep. O-sulfonic acids II (R = PhCH₂, 2-naphthyl). A mixt. of I, PhCH₂OH, THF, and **dioxane** was kept 30 min. at 50-5.degree. to give II (R = PhCH₂).

L3 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1961:134788 CAPLUS

DOCUMENT NUMBER: 55:134788

ORIGINAL REFERENCE NO.: 55:25378c-f

TITLE: Improvement of adhesivity of films of poly(.alpha.-olefins)

PATENT ASSIGNEE(S): "Montecatini" Societa generale per l'industria mineraria e chimica

DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 868159		19610517	GB	
US 3112199		1963	US	

AB Adhesivity is conferred upon films, esp. of polypropylene, by treating with 1 or more chlorinating, **sulfonating**, or chlorosulfonating agents. The treated film may be further treated with an amine. Thus, a film of cryst. polypropylene is passed during 0.5 sec. at room temp. through a bath consisting of 2% **chlorosulfonic acid** in ClCH₂:CCl₂. The film is removed from the bath, kept at 20.degree. for 2 sec., washed with H₂O, and then passed during 0.5 sec. through a 2nd bath consisting of 2% iso-BuNH₂ in **dioxane**. The film is washed with H₂O and dried. Other suitable agents are Cl, SCl₂, concd. H₂SO₃, and SO₂Cl₂. Other suitable amines are tetramethylenepentamine, ethanolamine, diethanolamine, ethylenediamine, and ethylenimine. The treated films are useful as bases for photographic gelatin coatings. When laminated with themselves or with, e.g., films of polyesters or vinyl chloride-vinyl acetate copolymers, they are useful in packaging. Suitable adhesives for such lamination are epoxy resins in acetone, low-mol.-wt. polyamide resins, and poly(vinyl acetate)-poly(ethylenimine) mixts.

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
23.74	24.16

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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ENTRY	SESSION

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